

LISTING OF CLAIMS

1. (Amended) An over-current protection device, comprising:

a current-sensing element exhibiting positive temperature coefficient behavior, the current-sensing element including an upper electrode foil, a bottom electrode foil and a conductive material;

an upper metallic conductive sheet connected to the upper electrode foil and having at least one notch on its surface, wherein the depth of the notch is smaller than the thickness of the upper metallic conductive sheet; and

a bottom metallic conductive sheet connected to the bottom electrode foil;

whereby the notch generates a cracking face in the current-sensing element during the burning of the over-current protection device, and the occurrence of a short circuit can be avoided.
2. (Original) The over-current protection device according to Claim 1, wherein the bottom metallic conductive sheet has at least one notch on its surface.
3. (Original) The over-current protection device according to Claim 1, wherein the notch is formed by a cutter or an etching process.
4. (Original) The over-current protection device according to Claim 1, wherein the area of the notch is preferably over 1% of the area of the upper metallic conductive sheet.